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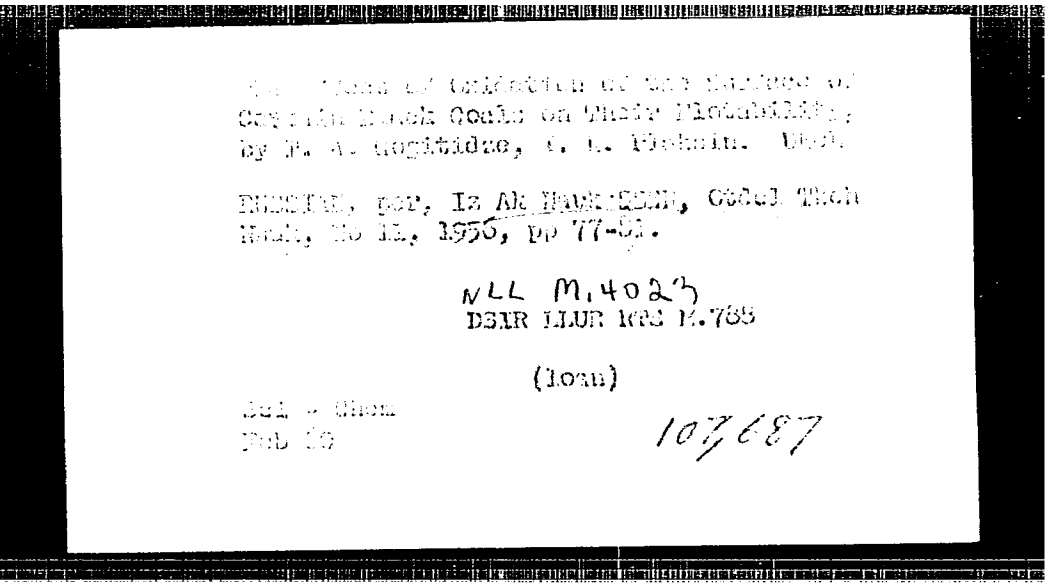

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Table of Contents only of:

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 1, No 2, 3, 4, 5, 6, 7, 1957.

CIA/FDD X-2608

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Some Investigations on a Water Jet Flowing Out of a Nozzle Under Pressure up to 2000 Atmospheres, by L. F. Vereshchagin, A. A. Semerchan, F. M. Filler, USCL

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 1, 1957, pp 57-60.

DSIR/32796/CT

Sci - Phys
Feb 59

81,425

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NCH-202 958 Field 13M

Grigolyuk, E. I.
EQUATIONS FOR SANDWICH-TYPE SHELLS WITH LIGHT-WEIGHT CORES. 1965, 10p. ATS-90S87R.
Order from ATS: $19.75 as ATS-90S87R

Trans. of Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Izvestiya, nl p77-84 1957.

I. Associated Technical Service, Inc., East Orange, N. J.

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Continuous Casting of Steel, Studied With Radioisotopes, by B. N. Katomin, V. S. Rutes.

RUSSIAN, mo per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 1, Jan 1957, pp 123-135.

Henry Brutcher
Tr 3944
$13.80

Sci - Min/Metals
Aug 57

50, 713

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Creep Resistance of Alloys as Function of Their Composition, by A. A. Bochvar.

RUSSIAN, mo per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 1, Jan 1957, pp 136-138.

Henry Brutcher
Tr 3945
$4.75

Sci - Min/Metals
Aug 57

50,695

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Composition of Mechanical Impurities in Used Engine Lubricants, by S. V. Rontsel.
UNCLASSIFIED

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 1, 1957, pp 153-155.

Co-Op Tr Sch
Tr 467

Sol - Chem; Fuels
Sep 58

73, 920

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Solubility of Oxygen in Manganese-Containing Liquid Iron, by B. V. Linchevskiy, A. M. Samarin.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel. Tekh Nauk, No 2, Feb 1957, pp 9-18.

Brutcher Tr 4030
$9.80

Sci - Min/Met

57,373

Jan 58

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Effect of Carbon Upon the Solubility of Hydrogen in Liquid Iron-Carbon Alloys, by K. T. Kurochkin, P. E. Nizhel'skiy, P. V. Umrikhin.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 2, Feb 1957, pp 19-26.

Brutcher Tr 4031
$8.20

Sci - Min/Met

Jan 58

57,372

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An Investigation of the Viscosity of Primary Blast Furnace Slag, by N L. Zhilo, et al.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 2, 1957, pp 27-35.

DSIR LLU M.1771
(loan)

Sci - Engr

Oct 60

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Condensation of a Jet of Steam in a Space Full of Water, by V. F. Blikman. UNCLASSIFIED

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 2, 1957, pp 43-48.

*DSIR/TCL Tr 101
(Intech)

Sci - Phys
Sep 58

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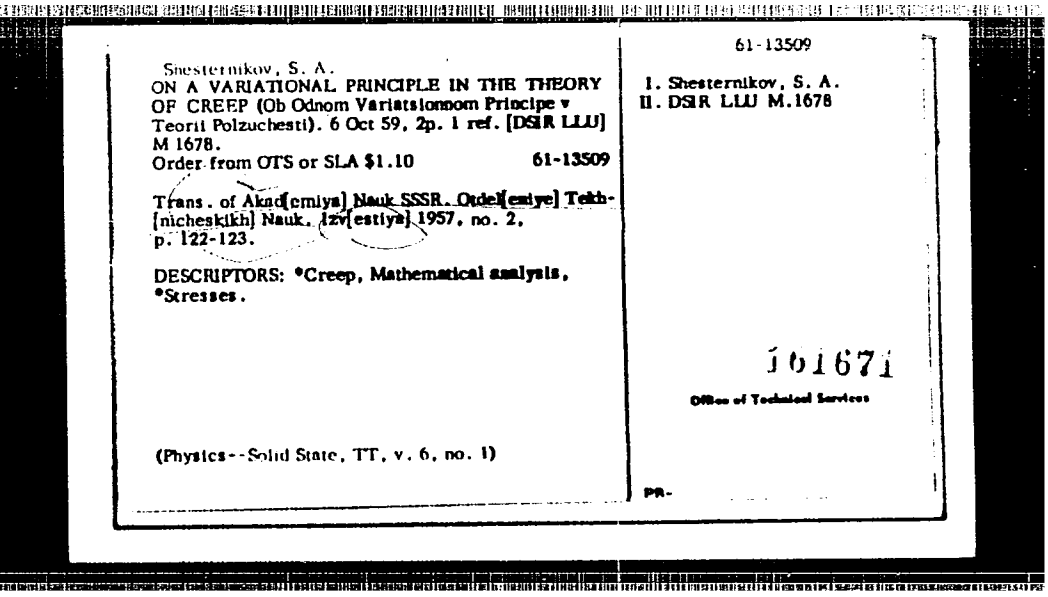

Shesternikov, S. A.
ON A VARIATIONAL PRINCIPLE IN THE THEORY OF CREEP (Ob Odnom Variatsionnom Printsipe v Teorii Polzuchesti). 6 Oct 59, 2p. 1 ref. [DSIR LLU] M 1678.
Order from OTS or SLA $1.10 61-13509

Trans. of Akad[emiya] Nauk SSSR. Otdel[enlye] Tekh-[nicheskikh] Nauk. Izv[estiya] 1957, no. 2, p. 122-123.

DESCRIPTORS: *Creep, Mathematical analysis, *Stresses.

(Physics--Solid State, TT, v. 6, no. 1)

61-13509

I. Shesternikov, S. A.
II. DSIR LLU M.1678

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Some Data From the Measurement of the Electrical Conductivity of Solid Fuels, by S. T. Bondarenk, A. I. Yakovleva. UNCL

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 2, 1957, pp 132-136.

DSIR LLU M.1422

(loan)

NCB A-P62-

116,563

Sci & Fuels
May 60

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Titanium-Tungsten-Aluminum Alloys, by N. T. Gudtsov, I. P. Panchenko, 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 2, 1957, pp 139-143.

CIA/FDD X-3032

Sci - Minerals/Metals
Aug 58

70,983

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Modification of the Carbide Phase in Titanium Alloys, by G. P. Danilova, E. A. Kumenskaya, M. V. Mal'tsev, 4 pp.

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CIA/FDD X-3038

Sci - Minerals/Metals
Aug 58

70,989

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300820060-9

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Korshunov, V. I. and Shmuk, E. I.
ESTUDIO SOBRE LA OBTENCION DE OXIDO DE ALUMINIO A PARTIR DE RESIDUOS DE LA CONCENTRACION DE CARBONES (Issledovanie po Izvlecheniyu Okisi Alyuminiya iz Otkhodov Obogashcheniya Uglei) (Obtention of Aluminum Oxide from Coal Concentration Residues). 13p. 3 refs.
CID: 62-293.
Order from OTS, ETC or CID $0.80 62-29293

Trans. in Spanish of Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Izvestiya, 1957, no. 2, p. 153-155.

DESCRIPTORS: *Coal, *Aluminum compounds, Industrial production, *Oxides.

(Chemistry--Analytical, TT, v. 10, no. 8)

62-29293

I. Korshunov, V. I.
II. Shmuk, E. I.
III. CID-62-293
IV. Centro de Información y Documentación, Madrid (Spain)

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Pressure Correlations in the Production of Hard-Metal Powder Compacts, by A. G. Samoilov.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh. Nauk, No 2, Feb 1957, pp 159-162.

Brutcher Tr 4071
$3.85

Sci - Min/Met

Apr 58

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2-Chloroethyl Esters of Some Acids of Phosphorus, by E. L. Getter, M. I. Kabachnik, 11 pp.

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SLA R-1618

Sci - Chem
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Polymerization of Acrylonitrile in Presence of Tributylboron, by G. S. Kolesnikov, L. C. Fedorova, 5 pp.

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SLA R-1617

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RUSSIAN, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 2, pp 238-240, 1957.

SLA R-1595

Sci - Chem
Aug 58

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Adiabatic Motions of an Ideal Gas With Shock Waves of High Intensity One-Dimensional Unsteady Motions, by G. G. Chernyy, 27 pp. RUSSIAN, per, Iz AN SSSR Otdeleniye Tekhnicheskikh Nauk, No 3, 1957, pp 66-81.
PI00065667
FTD TT 65-1316

Sci-Phys
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An Approximate Method for the Calculation of the Dimensions of Cracks Formed on Hydraulic Fracturing of a Stratum, by U. P. Zheltov,

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 3, 1957, pp [redacted]. 180-182.

ATS RJ-9W

Sci - Eng
Jul 59

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Plaksin, I. N., Startchik, L. P., and Turnikova, V. I.
MÉTHODE DE L'AUTORADIOGRAPHIE POUR ÉTUDIER LA RÉPARTITION DES REACTIFS DE FLOTTATION SUR LA SURFACE DES PARTICULES DE MINERAIS SULFURÉS, tr. by M. B. De Trezvinsky. 8 Nov 59 [9]p. 5 refs. CEA Trans. no. R.770 (text in French).
Order from OTS or SLA $1.10 61-23742

Trans. in French of Akad[emiya] Nauk SSSR. Otdel[enie] Tekh[nicheskikh] Nauk. Izvest[iya] 1957, no. 3, p. 187-189.

DESCRIPTORS: *Flotation, Sulfur, *Sulfides, *Autoradiography, Particles, Chemical reactions, Ores, *Minerals.

(Metallurgy, TT, v. 6, no. 6)

61-23742

I. Plaksin, I. N.
II. Startchik, L. P.
III. Turnikova, V. I.
IV. CEA-tr-R770
V. Commissariat à l'Énergie Atomique (France)

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Successive Stand-By Provisions, by Sh. L. Bebyashvili.
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 3, 1957, pp 191, 192.
NASA TT F-8708

Sii - M/M
Apr 64
U.S. GOVERNMENT ONLY

254,834

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On the Failure of Castings Under Shrinkage Stresses During Solidification as Function of Composition of Alloy, by A. A. Bochvar, Z. A. Sviderskaya. UNCL

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 3, 1957, pp 349-355.

*HB 4806

Sci - Min/Met
May 60

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NASA TT F-63
National Aeronautics and Space Administration.
EFFECT OF PERIODIC OSCILLATIONS OF VELOCITY AND DENSITY OF A MEDIUM ON DISINTEGRATION OF LIQUID JETS. (Vliyanie periodicheskikh kolebanii skorosti i plotnosti sredy na raspad zhidkikh struy.) I. F. Dityakin and V. I. Yagodkin. April 1961. 11p. OTS price, $0.50. (NASA TECHNICAL TRANSLATION F-63. Translation from Akademiia Nauk SSSR, Izvestiia, Otdelenie Tekhnicheskikh Nauk, no. 4, 1957, p. 115-120.)

The influence of the oscillations of the velocity in a liquid jet and the density of the medium surrounding a cylindrical jet, on the disintegration of the jet, is considered theoretically. The method of small perturbations beginning with the velocity potential equation is used. The following conclusions were derived: (a) during the oscillations of the velocity of a liquid jet the character and the length of the waves of the unstable perturbations are subject to change and there appears a great number of separate

Copies obtainable from NASA, Washington (over)

I. Dityakin, I. F.
II. Yagodkin, V. I.
III. NASA TT F-63
IV. Akademiia Nauk SSSR, Izvestiia, Otdelenie Tekhnicheskikh Nauk, no. 4, 1957, p. 115-120

(Initial NASA distribution: 20, Fluid mechanics; 37, Propulsion system elements; 39, Propulsion systems, liquid-fuel rockets.)

NASA

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The Corrosion of Steel Covered by Films of Petroleum Bitumens in Sea Water, by E. I. Gurovich, and A. S. Sosnina, 4 pp.

RUSSIAN, per, Izvest Akad Nauk SSSR, Otdel Tekh Nauk, No 4, 1957, pp 172-176.
~~96T6R~~

Asso Tech Svc 96T6R
ATS R3-920

Sci

Aug 58

69.872

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Some Methods for the Calculation of Primary Creep With Application to the Investigation of the Creep of Rotors, by Yu. N. Rabotnov. UNCLASSIFIED

RUSSIAN, par, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 5, 1957, pp 30-41.

Assoc Tech Sv RJ 1300

Sci - Min/Met
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75,890

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Characteristics of the Rheological Behavior of Metals Embedded by a Liquid, by B. I. Bersenev, L. F. Vereshchagin, Yu. N. Rybinin, 2400 words.

[illegible], 1957, No 5, pp 48-55.

SLA 60-15836

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Vol 2, No 5

104, 577

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Device for Direct Growing of Crystals from High-Reactivity Metal Powders, by D. A. Petrov, Yu. M. Smashkov.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh. Nauk, No 5, May 1957, pp 102-103.

Boutcher Tr 4074
$1.90
SLA Tr R-1584

Sci - Min/Met

Apr 58

61,422

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Flotation by Fatty Acids at Low Pulp Temperatures, by V. I. Klassen, 6 pp.

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AEC NP Tr 106

Sci - Chem

Sep 58

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Metallurgical Properties of Ore-Coke Pellets, by G. V. Gubin.

RUSSIAN, per, MM Iz Ak Nauk SSSR, Otd Tekh Nauk, No 6, Jun 1957, pp 32-36.

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Sci - Min/Met

Sep 58

72,573

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by O. A. Esin et al.
RUSSIAN, per. Izv. AN. SSSR. Otdel Tekh Nauk,
Dec. 1957, pp 71-76.
*BISI 4843

Sci-Mfg
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